Contents

Balaban, T., Imbrie, J. Z., Jaffe, A.: Effective Action and Cluster Properties of the Abelian Higgs Model 257
Balslev, E.: Analyticity Properties of Eigenfunctions and Scattering Matrix 599
Batchelor, M., Bryant, P.: Graded Riemann Surfaces 243
Battle, G.: A Block Spin Construction of Ondelettes Part II: The QFT Connection 93
Bonora, L., Cotta-Ramusino, P., Rinaldi, M., Stasheff, J.: The Evaluation Map in Field Theory, Sigma-Models and Strings — II 381
Borisov, N. V., Müller, W., Schrader, R.: Relative Index Theorems and Supersymmetric Scattering Theory 475
Bovier, A., Campanino, M., Klein, A., Perez, J. F.: Smoothness of the Density of States in the Anderson Model at High Disorder 439
Bryant, P., see Batchelor, M. 243
Caflisch, R. E., Liu, T.-P.: Stability of Shock Waves for the Broadwell Equations 103
Campanino, M., see Bovier, A., et al. 439
Cercignani, C., Illner, R., Shinbrot, M.: A Boundary Value Problem for the Two Dimensional Broadwell Model 687
Chorin, A. J.: Scaling Laws in the Vortex Lattice Model of Turbulence 167
Connes, A., Cuntz, J.: Quasi homomorphismes, cohomologie cyclique et positivité 515
Cotta-Ramusino, P., see Bonora, L., et al. 381
Cuntz, J., see Connes, A. 515
Fannes, M., Nachtergaele, B., Verbeure, A.: The Equilibrium States of the Spin-Boson Model 537
Federbush, P.: A Phase Cell Approach to Yang-Mills Theory. IV. The Choice of Variables 317
Freund, P. G. O., see Rabin, J. M. 131
Gandolfi, A., Grimmett, G., Russo, L.: On the Uniqueness of the Infinite Cluster in the Percolation Model 549
Grimmett, G., see Gandolfi, A., et al. 549
Grundling, H.: Systems with Outer Constraints. Gupta-Bleuler Electromagnetism as an Algebraic Field Theory 69
Harabetian, E.: Rarefactions and Large Time Behavior for Parabolic Equations and Monotone Schemes 527
Hitchin, N. J., Murray, M. K.: Spectral Curves and the ADHM Method 463
Illner, R., see Cercignani, C., et al. 687
Imbrie, J. Z., see Balaban, T., et al. 257
Jaffe, A., Lesniewski, A., Weitsman, J.: The Two-Dimensional, $N = 2$ Wess-Zumino Model on a Cylinder 147
Jaffe, A., see Balaban, T., et al. 257
Jaffe, A., Lesniewski, A.: A Priori Estimates for $N = 2$ Wess-Zumino Models on a Cylinder 553
Klein, A., see Bovier, A., et al. 439
Lesniewski, A., see Jaffe, A., et al. 147
Lesniewski, A., see Jaffe, A. 553
Liu, T.-P., see Caflisch, R. E. 103
Murray, M. K., see Hitchin, N. J. 463
Müller, W., see Borisov, N. V., et al. 475
Nachtergaele, B., see Fannes, M., et al. 537
Neveu, A., West, P.: Group Theoretic Approach to the Open Bosonic String Multi-Loop S-Matrix 613
Nusse, H. E., Yorke, J. A.: Is Every Approximate Trajectory of Some Process Near an Exact Trajectory of a Nearby Process? 363
Odzijewicz, A.: On Reproducing Kernels and Quantization of States 577

Park, Y. M.: Extension of Pirogov-Sinai Theory of Phase Transitions to Infinite Range Interactions. I. Cluster Expansion 187
Park, Y. M.: Extension of Pirogov-Sinai Theory of Phase Transitions to Infinite Range Interactions. II. Phase Diagram 219
Perez, J. F., see Bovier, A., et al. 439
Petz, D.: A Variational Expression for the Relative Entropy 345
Pohlmeyer, K., Rehren, K.-H.: The Algebra Formed by the Invariant Charges of the Nambu-Goto Theory: Identification of a Maximal Abelian Subalgebra 55
Pohlmeyer, K., Rehren, K.-H.: The Invariant Charges of the Nambu-Goto Theory: Their Geometric Origin and Their Completeness 177
Pohlmeyer, K.: The Poisson Algebra of the Invariant Charges of the Nambu-Goto Theory: Casimir Elements 351
Rabin, J. M., Freund, P. G. O.: Supertori are Algebraic Curves 131
Rehren, K.-H., see Pohlmeyer, K. 55
Rehren, K.-H., see Pohlmeyer, K. 177
Rinaldi, M., see Bonora, L., et al. 381
Russo, L., see Gandolfi, A., et al. 549
Schrader, R., see Borisov, N. V., et al. 475
Shinbrot, M., see Cercignani, C., et al. 687
Smit, D.-J.: String Theory and Algebraic Geometry of Moduli Spaces 645
Stasheff, J., see Bonora, L., et al. 381
Verbeure, A., see Fannes, M., et al. 537
Weitsman, J., see Jaffe, A., et al. 147
West, P., see Neveu, A. 613
Witten, E.: Coadjoint Orbits of the Virasoro Group 1
Yorke, J. A., see Nusse, H. E. 363

Indexed in *Current Contents*
Evaluated and abstracts for *PHYS* on *STN*